

Remarks

Claims 43-52 and 54 remain in consideration for this application, with claims 43 and 49 being in independent format. All claims remain unchanged from the Amendment filed on July 23, 2009.

In the Office Action dated January 23, 2009, the sequence listing and specification were objected to for failing to comply with the sequence compliance rules. The response filed on July 23, 2009 failed to include the substitute specification referred to therein. This substitute specification is submitted herewith in both a marked up version and a clean version. This substitute specification contains no new matter. The sequences in the specification, including those of Table 2, are now identified by "SEQ ID NO:" and each sequence in the specification matches the corresponding numbered sequence in the sequence listing. No new matter has been added as a result of the amendments in the substitute specification as all sequences were present in the originally-filed application.

With respect to the objection based on the sequence lengths listed in the tables and the lengths of the corresponding sequences in the sequence listing, Applicants note that the discrepancies in length are due to different versions of the genome databases used to construct the sequences of the present application. This was duly noted in the keys to the figures and Applicants assert that those of skill in the art would understand that minor differences between the different database versions would occur. However, in the interest of moving the application forward, these lengths have been amended so that the sequence length in the tables associated with a particular SEQ ID NO corresponds to the

sequence length referred to in the sequence listing for that particular SEQ ID NO. Accordingly, Applicants respectfully assert that this objection has been overcome.

In view of the foregoing, it is respectfully submitted that all rejections have been overcome and that the claims as they now stand are patentable over the art of record and a Notice of Allowance appears to be in order and is courteously solicited. Any additional fee due in connection with this amendment should be charged against Deposit Account No. 50-1662.

Respectfully Submitted,

Polsinelli Shughart PC

By: /Tracey Truitt/

Tracey S. Truitt, Reg. No. 43,205
800 W. 47th Street, Suite 1000
Kansas City, Missouri 64112
(816) 753-1000 - Telephone
(816) 753-1536 - Facsimile

ATTORNEYS FOR APPLICANTS

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